



Fall Term 2008

## Departmental Seminars

3:30 pm, Refreshments, A214 E-Quad

4:00 p.m., A224 E-Quad (Elgin Room)

### Richard H. Wilhelm Lecture Series

**Frances H. Arnold**

**Dick and Barbara Dickinson Professor of  
Chemical Engineering and Biochemistry at the  
California Institute of Technology**

**Refreshments: 3:30 pm, Friend Center FC113**

**Lecture: 4:00 pm, Friend Center FC113**

September 15 *Engineering by Evolution: P450 Tales*

September 16 *Protein Innovation by Recombination*

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| September 24 | <b>Carlos Rinaldi</b> , University of Puerto Rico<br><i>Suspensions of Magnetic Nanoparticles: From the Nano- to the Macro-scale</i>                                 |
| October 1    | <b>Rathin Datta</b> , Coskata, Inc.<br><i>CI Metabolism: From the "Hadian" Ocean to Technology for Fuels and Chemicals</i>                                           |
| October 8    | <b>Robert Armstrong</b> , Massachusetts Institute of Technology<br><i>The Global Energy Challenge: Opportunities for Chemical Engineering Research and Education</i> |
| October 15   | <b>Martin Feinberg</b> , The Ohio State University<br><i>Stability and Instability in Complex Chemical Reaction Networks: The Big Picture</i>                        |
| October 22   | <b>William Koros</b> , Georgia Institute of Technology<br><i>Low Energy Intensive Large Scale Separations</i>                                                        |
| November 5   | <b>Tony Ladd</b> , University of Florida<br><i>Dynamics of Elastic Filaments</i>                                                                                     |
| November 12  | <b>Yannis Kaznessis</b> , University of Minnesota<br><i>Multiscale Models for Synthetic Biology</i>                                                                  |
| December 3   | <b>Linda Petzold</b> , University of California, Santa Barbara<br><i>Multiscale Simulation of Copper Electrodeposition</i>                                           |
| December 10  | <b>Berend Smit</b> , UC Berkeley<br><i>Mesosopic simulations of transmembrane protein interactions</i>                                                               |
| January 7    | <b>Kristi Kiick</b> , University of Delaware<br><i>Macromolecular Approaches in the Tailoring of Multivalent Interactions</i>                                        |